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10/09/01

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PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/943,722

DATE: 02/13/2002  
TIME: 21:37:15

INPUT SET: S36725.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

#2-

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT:

(A) NAME: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS  
REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH  
AND HUMAN SERVICES

(B) STREET: BOX OTT

(C) CITY: BETHESDA

(D) STATE OR PROVINCE: MARYLAND

(E) COUNTRY: UNITED STATES OF AMERICA

(F) POSTAL CODE: 20892

(i) APPLICANT:

(A) NAME: PAVLAKIS, GEORGE N.

(B) STREET: 9 PURDUE COURT

(C) CITY: ROCKVILLE

(D) STATE OR PROVINCE: MARYLAND

(E) COUNTRY: UNITED STATES OF AMERICA

(F) POSTAL CODE: 20850

(i) APPLICANT:

(A) NAME: FELBER, BARBARA K.

(B) STREET: 9 PURDUE COURT

(C) CITY: ROCKVILLE

(D) STATE OR PROVINCE: MARYLAND

(E) COUNTRY: UNITED STATES OF AMERICA

(F) POSTAL CODE: 20850

(ii) TITLE OF INVENTION: METHOD OF ELIMINATING  
INHIBITORY/INSTABILITY REGIONS OF mRNA

(iii) NUMBER OF SEQUENCES: 130

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: MORGAN & FINNEGAN

(B) STREET: 345 PARK AVENUE

(C) CITY: NEW YORK

(D) STATE: NEW YORK

(E) COUNTRY: USA

(F) ZIP: 10154

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: FLOPPY DISK

(B) COMPUTER: IBM PC COMPATIBLE

ENTERED

RAW SEQUENCE LISTING  
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TIME: 21:37:15

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47 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
48 (D) SOFTWARE: WORDPERFECT 5.1  
49  
50 (vi) CURRENT APPLICATION DATA:  
51 (A) APPLICATION NUMBER: 09/943,722  
52 (B) FILING DATE:  
53 (C) CLASSIFICATION:  
54  
55 (vii) PRIOR APPLICATION DATA:  
56 (A) APPLICATION NUMBER: 08/850,049  
57 (B) FILING DATE:  
58  
59  
60 (vii) PRIOR APPLICATION DATA:  
61 (A) APPLICATION NUMBER: US 08/050,478  
62 (B) FILING DATE: 26-OCT-1994  
--> 63 (C) CLASSIFICATION:435  
64  
65 (vii) PRIOR APPLICATION DATA:  
66 (A) APPLICATION NUMBER: PCT/US93/02908  
67 (B) FILING DATE: 29-MAR-1993  
--> 68 (C) CLASSIFICATION:435  
69  
70 (vii) PRIOR APPLICATION DATA:  
71 (A) APPLICATION NUMBER: US 07/858,747  
72 (B) FILING DATE: 27-MAR-1992  
--> 73 (C) CLASSIFICATION:435  
74  
75 (viii) ATTORNEY/AGENT INFORMATION:  
76 (A) NAME: MORRY, MARY J.  
77  
78  
79  
80  
81  
82  
83  
84  
85 (B) REGISTRATION NUMBER: 34,398  
86 (C) REFERENCE/DOCKET NUMBER: 2026-4006US1  
87  
88 (ix) TELECOMMUNICATION INFORMATION:  
89 (A) TELEPHONE: (212)758-4800  
90 (B) TELEFAX: (212)751-6849  
91  
92 (2) INFORMATION FOR SEQ ID NO: 1:  
93  
94 (i) SEQUENCE CHARACTERISTICS:  
95 (A) LENGTH: 396 BASE PAIRS  
96 (B) TYPE: NUCLEIC ACID  
97 (C) STRANDEDNESS: SINGLE  
98 (D) TOPOLOGY: LINEAR  
99

RAW SEQUENCE LISTING  
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(xi) SEQUENCE DESCRIPTION:SEQ ID NO: 1:

100  
101  
102 ATGGGTGCGA GAGCGTCAGT ATTAAGCGGG GGAGAATTAG ATCGATGGGA AAAAATTCGG60  
103  
104 TTAAGGCCAG GGGGAAAGAA AAAATATAAA TTAAAACATA TAGTATGGGC AAGCAGGGAG120  
105  
106 CTAGAACGAT TCGCAGTTAA TCCTGGCCTG TTAGAAACAT CAGAAGGCTG TAGACAAATA180  
107  
108 CTGGGACAGC TACAACCATC CCTTCAGACA GGATCAGAAG AACTTAGATC ATTATATAAT240  
109  
110 ACAGTAGCAA CCCTCTATTG TGTGCATCAA AGGATAGAGA TAAAAGACAC CAAGGAAGCT300  
111  
112 TTAGACAAGA TAGAGGAAGA GCAAAACAAA AGTAAGAAAA AAGCACAGCA AGCAGCAGCT360  
113  
114 GACACAGGAC ACAGCAATCA GGTCAGCCAA AATTAC 396  
115  
116

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

120 (A) LENGTH: 51 BASE PAIRS  
121 (B) TYPE: NUCLEIC ACID  
122 (C) STRANDEDNESS: SINGLE  
123 (D) TOPOLOGY: LINEAR  
124

(xi) SEQUENCE DESCRIPTION:SEQ ID NO: 2:

125  
126  
127 CCAGGGGGAA AGAAAAAATA TAAATTAAAA CATATAGTAT GGGCAAGCAG G 51  
128  
129

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

132 (A) LENGTH: 48 BASE PAIRS  
133 (B) TYPE: NUCLEIC ACID  
134 (C) STRANDEDNESS: SINGLE  
135 (D) TOPOLOGY: LINEAR  
136  
137

(xi) SEQUENCE DESCRIPTION:SEQ ID NO: 3:

138  
139  
140 CCTTCAGACA GGATCAGAAG AACTTAGATC ATTATATAAT ACAGTAGC 48  
141  
142

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

145 (A) LENGTH: 50 BASE PAIRS  
146 (B) TYPE: NUCLEIC ACID  
147 (C) STRANDEDNESS: SINGLE  
148 (D) TOPOLOGY: LINEAR  
149  
150

(xi) SEQUENCE DESCRIPTION:SEQ ID NO: 4:

152

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153 ACCCTCTATT GTGTGCATCA AAGGATAGAG ATAAAAGACA CCAAGGAAGC 50  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164 (2) INFORMATION FOR SEQ ID NO: 5:  
165 (i) SEQUENCE CHARACTERISTICS:  
166 (A) LENGTH: 50 BASE PAIRS  
167 (B) TYPE: NUCLEIC ACID  
168 (C) STRANDEDNESS: SINGLE  
169 (D) TOPOLOGY: LINEAR  
170  
171 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
172  
173 GAGCAAAACA AAAGTAAGAA AAAAGCACAG CAAGCAGCAG CTGACACAGG 50  
174  
175  
176 (2) INFORMATION FOR SEQ ID NO: 6:  
177  
178 (i) SEQUENCE CHARACTERISTICS:  
179 (A) LENGTH: 51 BASE PAIRS  
180 (B) TYPE: NUCLEIC ACID  
181 (C) STRANDEDNESS: SINGLE  
182 (D) TOPOLOGY: LINEAR  
183  
184 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
185  
186 CCAGGGGGAA AGAAGAAGTA CAAGCTAAAG CACATCGTAT GGGCAAGCAG G 51  
187  
188  
189 (2) INFORMATION FOR SEQ ID NO: 7:  
190  
191 (i) SEQUENCE CHARACTERISTICS:  
192 (A) LENGTH: 48 BASE PAIRS  
193 (B) TYPE: NUCLEIC ACID  
194 (C) STRANDEDNESS: SINGLE  
195 (D) TOPOLOGY: LINEAR  
196  
197 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
198  
199 CCTTCAGACA GGATCAGAGG AGCTTCGATC ACTATACAAC ACAGTAGC 48  
200  
201  
202 (2) INFORMATION FOR SEQ ID NO: 8:  
203  
204 (i) SEQUENCE CHARACTERISTICS:  
205 (A) LENGTH: 50 BASE PAIRS

RAW SEQUENCE LISTING  
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206 (B) TYPE: NUCLEIC ACID  
207 (C) STRANDEDNESS: SINGLE  
208 (D) TOPOLOGY: LINEAR  
209  
210 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
211  
212 ACCCTCTATT GTGTGCACCA GCGGATCGAG ATCAAGGACA CCAAGGAAGC 50  
213  
214  
215 (2) INFORMATION FOR SEQ ID NO: 9:  
216  
217 (i) SEQUENCE CHARACTERISTICS:  
218 (A) LENGTH: 50 BASE PAIRS  
219 (B) TYPE: NUCLEIC ACID  
220 (C) STRANDEDNESS: SINGLE  
221 (D) TOPOLOGY: LINEAR  
222  
223 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
224  
225 GAGCAAAACA AGTCCAAGAA GAAGGCCAG CAGGCAGCAG CTGACACAGG 50  
226  
227  
228 (2) INFORMATION FOR SEQ ID NO: 10:  
229  
230 (i) SEQUENCE CHARACTERISTICS:  
231 (A) LENGTH: 68 BASE PAIRS  
232 (B) TYPE: NUCLEIC ACID  
233 (C) STRANDEDNESS: SINGLE  
234 (D) TOPOLOGY: LINEAR  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
245  
246 GAATAGTGCT GTTAACCTCC TGAACGCTAC CGCTATCGCC GTGGCGGAAG GAACCGACAG60  
247  
248 GGTTATAG 68  
249  
250  
251 (2) INFORMATION FOR SEQ ID NO: 11:  
252  
253 (i) SEQUENCE CHARACTERISTICS:  
254 (A) LENGTH: 62 BASE PAIRS  
255 (B) TYPE: NUCLEIC ACID  
256 (C) STRANDEDNESS: SINGLE  
257 (D) TOPOLOGY: LINEAR  
258

SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/09/943,722DATE: 02/13/2002  
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INPUT SET: S36725.raw

Line	Error	Original Text
5	Mandatory Value Not Present	(i) APPLICANT:
6	Unknown or Misplaced Identifier	(A) NAME: THE GOVERNMENT OF THE UNITED STA
9	Unknown or Misplaced Identifier	(B) STREET: BOX OTT
10	Unknown or Misplaced Identifier	(C) CITY: BETHESDA
11	Unknown or Misplaced Identifier	(D) STATE OR PROVINCE: MARYLAND
12	Unknown or Misplaced Identifier	(E) COUNTRY: UNITED STATES OF AMERICA
13	Unknown or Misplaced Identifier	(F) POSTAL CODE: 20892
15	Mandatory Value Not Present	(i) APPLICANT:
16	Unknown or Misplaced Identifier	(A) NAME: PAVLAKIS, GEORGE N.
17	Unknown or Misplaced Identifier	(B) STREET: 9 PURDUE COURT
18	Unknown or Misplaced Identifier	(C) CITY: ROCKVILLE
19	Unknown or Misplaced Identifier	(D) STATE OR PROVINCE: MARYLAND
20	Unknown or Misplaced Identifier	(E) COUNTRY: UNITED STATES OF AMERICA
21	Unknown or Misplaced Identifier	(F) POSTAL CODE: 20850
23	Mandatory Value Not Present	(i) APPLICANT:
24	Unknown or Misplaced Identifier	(A) NAME: FELBER, BARBARA K.
25	Unknown or Misplaced Identifier	(B) STREET: 9 PURDUE COURT
26	Unknown or Misplaced Identifier	(C) CITY: ROCKVILLE
27	Unknown or Misplaced Identifier	(D) STATE OR PROVINCE: MARYLAND
28	Unknown or Misplaced Identifier	(E) COUNTRY: UNITED STATES OF AMERICA
29	Unknown or Misplaced Identifier	(F) POSTAL CODE: 20850
63	Wrong Classification	(C) CLASSIFICATION:435
68	Wrong Classification	(C) CLASSIFICATION:435
73	Wrong Classification	(C) CLASSIFICATION:435

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**SEQUENCE MISSING ITEM REPORT**  
**PATENT APPLICATION US/09/943,722**

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***INPUT SET: S36725.raw***

< < THERE ARE NO ITEMS MISSING > >

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**SEQUENCE CORRECTION REPORT**  
**PATENT APPLICATION US/09/943,722**

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***INPUT SET: S36725.raw***

Line

Original Text

Corrected Text